

1/1/1981

ATTACHMENT B
RCRA Section 3012 Preliminary Assessment Program
Surface and Groundwater Hydrology

Site Name Alunox Irrigation Prod. County Spokane

- Sources:
1. USGS 7.5' Greenacres Quad (1973)
 2. WDOE well logs
 3. WDSHS Public Water Supply Listing
 4. Water Supply Bulletin # 27, (1969)
 5. USDA, SCS, Soil Survey, Spokane Co. (1968)
 6. WDOE surface water Rights withdrawals
 - 7.
 8. Well logs used:

GROUNDWATER

Name/description of aquifer

Unconsolidated glaciofluvial deposits

Source 4

Depth from the ground surface to the highest seasonal level of the saturated zone of the aquifer

Wells on site perforated at 110-140 ft

Some water encountered at \approx 85 ft

Source 2

Soil type in unsaturated zone

Garrison gravelly loam

Source 5

Permeability associated with soil type

moderately high permeability

Source 5

Use(s) of aquifer of concern within a 3-mile radius of the hazardous substance. If available, indicate up-gradient or down-gradient

Drinking, irrigation, industrial

Source 4

USEPA SF



1589380

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply

on-site - Spokane Industrial Park
three wells located in sec. 1.

Source 3

Distance from hazardous substance to above well or building and, if available, indicate up-gradient or down-gradient

N/A

Source _____

Identified water-supply well(s) drawing from aquifer of concern within a 3-mile radius of the hazardous substance and population served by each well

Public: ~ 35,000 people served by 18 supplies

Private: ~ 120 x 3.5 = 420

Source 2/3

Land area (in acres) irrigated by supply well(s) drawing from aquifer of concern within a 3-mile radius of the hazardous substance

WDOB does not record number of acres
irrigated by GW or SW intakes

No irrigation wells records in WSB # 27
within three mile radius

Source N/A

SURFACE WATER

Name/description and distance to nearest downslope surface water if within three miles

Spokane River
7500 ft

Source 1

Average slope (in percent) of terrain between facility and above-cited surface water

< 1%

Source 1

Distance to above-cited surface water

7500 ft SW

Source 1

Use(s) of surface water within 3-miles (free-flowing water) or 1-mile (static water) of the hazardous substance

Irrigation

Source _____

Location of water-supply intake(s) within 3-miles (free-flowing water) or 1-mile (static water) downstream of the hazardous substance and population served by each intake

Spokane River Sec 10, T25N, R44E
5701
5915

Source b

Land area (in acres) irrigated by supply well(s) within 3-miles (free-flowing water) or 1-mile (static water) downstream of the hazardous substance

WDOTB does not record number of acres irrigated, only volume of flow.

Source N/A

Distance, in stream miles, to intakes cited in previous two items

~ 2 miles

Source b